

Climatological Data for December, 1910.

DISTRICT No. 2, SOUTH ATLANTIC AND EAST GULF STATES.

CHARLES F. VON HERRMANN, District Editor.

GENERAL SUMMARY.

December was an unusually cold and relatively dry month; since the rainy periods were well defined and of brief duration there were many fine, clear days, and, generally speaking, the month was not unpleasant. The deficiency in temperature averaged over 4° for the district at large and resulted from the continuous though moderate degree of cold rather than from specially low minimum temperatures. In this respect the month was similar to December, 1909, and in several States was even colder. In North Carolina the mean temperature for the current month was the lowest December mean in 30 years excepting only December, 1903; in South Carolina it was the coldest December since 1876; in Georgia since 1891; and in Florida since 1891, excepting only December, 1903. At many individual stations the month was the coldest on record. The deficiency in temperature was least in the Mississippi area and increased toward the east and northeast to more than 6° below normal on the North Carolina and Virginia coasts. The precipitation was below normal in nearly all sections. In Florida and the southeastern portions of Georgia and South Carolina the total rainfall for the month was generally under 2 inches, over most of the remainder of the district it was from 2 to 4 inches, and was slightly over 4 inches only in limited areas in northwestern Georgia, southwestern Alabama, southeastern Mississippi, and central North Carolina. A little snow fell in northeastern Alabama and northern Georgia, and somewhat larger amounts in North Carolina and Virginia, generally occurring on the 4th to 6th.

Of the 9 or 10 areas of low atmospheric pressure which had more or less influence on the weather in the district during December only 2 passed directly over the section, both bringing fairly general rains in all States in the district. The first disturbance moved with great rapidity from the north Pacific coast on the morning of the 3d to northern Mississippi, on the 5th, and thence to the Atlantic coast between Hatteras and Norfolk on the 6th, accompanied by general rains, which were heavy in northern Georgia, and by moderate amounts of snow in North Carolina and Virginia. Throughout the southern portion of the district the lowest atmospheric pressure occurred on the 5th, with a minimum of 29.49 inches at Birmingham, Ala. A long period of fair weather followed until the 18th and 19th, when light rains occurred in connection with a slight depression in the Gulf and a more marked disturbance in the lower Lake region, which gave the lowest pressure for the district in Virginia on the 20th, Norfolk reporting 29.47 inches. The second general storm passed over the district on the 23d and 24th, moving rapidly from the Texas coast to New England and leaving fine, clear weather for the Christmas holidays. A pronounced area of high pressure was central over the north Atlantic States on the 31st, with the highest atmospheric pressure for the district, 30.78 inches, at Norfolk, Va.

TEMPERATURE.

The temperature was below the normal during the month over the entire district, with an average deficiency of over 4° . The State average temperature for Virginia was 6° below normal and for Florida 5° below. The greatest deficiency at any of the cooperative stations was 8° at Lexington, Va., which has a length of record of 34 years. On the other

hand, the average deficiency for the Mississippi area was but 3.5° , and at a few points in the extreme western portion of that area the temperature was slightly above the normal. With respect to continuous cold weather only December, 1903, and December, 1909, are comparable with the current month.

The average temperature for the district was 42° . The highest State average was 53.5° for Florida and the lowest was 33.4° for the Virginia area. At a few places in Virginia the monthly mean temperature was below the freezing point, namely, at Hot Springs, monthly mean 26.7° , Catawba, 31.6° , and Lexington, 27.6° ; elsewhere in the district the means as a rule ranged between 35° and 45° , though in Florida it was warmer at several southern stations. The highest local monthly mean was 65.3° , at Key West, and it was above 60° also at Homestead, Jupiter, and Miami, Fla.

The month opened with temperatures considerably below normal, and at points in Florida and Mississippi the lowest temperatures for the month were registered on the 2d or 3d. During the rains of the 4th to 6th the temperature rose somewhat, and on the 5th the highest for the month was recorded at several places in Alabama. Subsequently a long period of cold weather prevailed until the 27th, broken only by somewhat warmer weather in Mississippi on the 10th. The lowest temperatures for the month generally occurred on the 21st or 22d, with the minimum for the district 4° , at Lexington, Va. The lowest in North Carolina was 8° , at Lenoir; in South Carolina 12° , at Society Hill; in Georgia 12° , at Lafayette; in Florida 19° , at Molino; in Alabama 11° , at Ashville, and in Mississippi 19° , at Waynesboro, Columbus, and Edinburg. The temperature was decidedly above the normal during only one brief period, extending from the 28th to the 30th, to the 31st in Florida, during which the highest temperatures exceeded 80° at a few points in Georgia and Florida. The highest temperature for the district was 85° , at Homestead and Malabar, Fla., on the 31st, closely followed by 83° , at Valdosta, Ga., on the 29th. Killing frosts or freezing temperatures extended southward into central Florida.

PRECIPITATION.

The average precipitation for the district was 2.83 inches, which is 1.35 inches below the normal. December was relatively a very dry month, at some places the driest experienced in 20 years. The greatest deficiencies occurred in Georgia and Florida, Georgia receiving scarcely more than half the normal amount. Over most of Florida the rainfall was less than 2 inches. Over most of the remainder of the district the monthly amounts ranged between 2 and 4 inches, except over very limited areas, where the rainfall exceeded 4 inches, the most important of which are found in northern Georgia, extreme western Florida, and central North Carolina.

The rainfall occurred in well-defined periods from about the 4th to 7th, 18th to 19th, 23d to 24th, and 29th to 31st. The heaviest rains for the month occurred during the first period. The following large amounts occurred in northern Georgia: Dahlonega, 2.75 in 24 hours on the 4th-5th; Diamond, 3.10; Gainesville, 2.55; Gore, 3.45; Norcross, 2.52, all on the same date. Rock House, N. C., received 3.55 inches, Liberty, S. C., 2.25, and Newton, Ala., 2.92. The average number of days with rain was 6, ranging from 9 in Mississippi to only 4 in Florida.

During December, 1910, snow fell only on the 4th to 6th, generally in very small amounts, except in northern Virginia. The State average for Virginia was 3.4 inches, unmelted, for North Carolina 1 inch, and for the other States except Florida, where no snow fell, a trace. The largest monthly amount was 11 inches at Lassiter, Va., all of which fell on the 5th. In North Carolina the largest total snowfall was 3.5 inches, at Reidsville, Roxboro, Saxon, and Brewers. In northern Georgia and northern Alabama the largest amount did not exceed 2 inches. At some points sleet occurred in place of snow.

RIVER CONDITIONS.

The area covered by the heavy rains of the 4th to 6th was so limited that only a very moderate rise in the rivers resulted. At all points throughout the district the rivers maintained very low stages and a very uniform flow. The water available for hydroelectric power was at a minimum during the first few days of the month and again toward the close.

MISCELLANEOUS PHENOMENA.

The prevailing winds for the month were from the north in Alabama and Mississippi and from the northwest in all other sections. The wind movement was moderate, and but few of the regular stations reported gales of 40 miles an hour or more, namely, Atlanta, 47 miles from the west on the 20th, Savannah, 42 miles west on the same date, Pensacola, 52 miles from the southeast on the 22d, and Hatteras, 46 miles from the north on the 30th. The mean hourly wind movement exceeded 10 miles at Hatteras, Charleston, Atlanta, Savannah, Jupiter, Key West, and Pensacola. There were quite a large number of pleasant bright days during the month, the average number of clear days being 16, ranging from 20 in Florida to 11 in Mississippi. The number of partly cloudy days was 6, of cloudy days 9. No severe local storms of any kind were reported during December.

BRIEF METEOROLOGICAL SUMMARY FOR THE YEAR 1910.

In some respects the year 1910 from a climatic standpoint was a noteworthy one throughout District No. 2. The temperature during January and February was continuously but moderately low, the precipitation was below the normal, and neither could be considered a severe winter month. A sudden change to warmer weather followed, and March was characterized by remarkably high temperatures and summerlike conditions. It was also very dry, some places experiencing the longest spring drought on record.

Spring and summer were decidedly cool. Killing frosts were general on April 26, an unusually late date. A unique feature of April weather was the snowstorm on the morning of April 25, during which snow fell to a depth of from 2 to 4 inches, unmelted, in northern Alabama and Georgia, and traces were received as far south as Pensacola, Fla. May was one of the coldest spring months experienced in many years. The deficiency in temperature continued during five consecutive months from April to August, inclusive, and during most of this period the precipitation was also below the normal, except in June.

September was warm and dry, with a high percentage of sunshine, but cold weather returned at the close of October and both November and December were decidedly cold. December was one of the coldest winter months ever experienced, comparable only with December, 1903, and December, 1909. In October, severe tropical hurricanes passed over Florida and the south Atlantic coast, and remarkably heavy rains were received in portions of Florida.

During many past winters in this region January and February have always been the coldest months, but during both 1909 and 1910 the period of greatest cold retreated to December.

THE WATER-POWER RESOURCES OF GEORGIA.

By C. F. VON HEERMANN, District Editor.

[Concluded from November Review.]

The earliest development of hydroelectric power in southern Georgia was made in 1905 by the Albany Power and Manufacturing Company at Albany, Ga. The power house and dam are located on Muchafoonee Creek at Big Shoals. The dam, which is one of the best types of construction, holds back the water of three creeks for nearly 15 miles. About 3,000 horsepower are available at the average stage of the water. A much larger development is planned at Porters Shoals, 2½ miles above Albany, which is expected to develop 9,000 horsepower. The municipal lighting plant and street railway system at Albany are run by electric power as well as a number of manufacturing plants and cotton mills.

The following is a partial list of the most important shoals on the Flint River, north of the fall line, passing from north to south:

Stream and location.	Name of fall or shoal.	Length of shoal.	Fall.
		Feet.	Feet.
Flint River:			
Pike County.....	Flat Shoals.....	3,000	32
Upson County.....	Dripping Rock Shoals.....	3,900	14
Do.....	Yellow Jacket Shoal.....	3,400	37
Do.....	Snipes Shoals.....	3,350	12
Big Potato Creek:			
Upson County.....	Rogers Shoals.....	3,600	80
Do.....	Daniels Mills Shoals.....	150	13

The average rainfall for the Chattahoochee and Flint River basins and the mean river stages at West Point, Alaga, and Eufaula on the Chattahoochee and at Woodbury, Montezuma, Albany, and Bainbridge on the Flint River will be found in the table at the end of this article.

THE ALTAMAHAW SYSTEM.

The Altamaha River is formed by the union of the Oconee and Ocmulgee Rivers on the line between Montgomery and Appling Counties and pursues a southeasterly course, emptying into the Atlantic just below the city of Darien. Its length is about 131 miles by the river and it drains an area of 14,620 square miles. The total fall of the river from the point of union of the Ocmulgee and Oconee to Darien is 83 feet. The soil of this region is sandy and permeable, nevertheless the freshets on this river are sometimes of considerable magnitude. As the Altamaha lies entirely below the fall line, it furnishes no important water-power sites.

THE OCONEE RIVER.

The Ocnee River has its sources in Hall County near Gainesville, on the south side of the Chattahoochee Ridge, the stream proper being formed by the union of North Ocnee and Middle Ocnee, which unite just below the city of Athens. The river pursues a course a little east of south through a hilly region made up of cultivated ground interspersed by extensive tracts of forest. Below Milledgeville the river has a very tortuous course. The largest tributaries are the Apalachee and Little Rivers.

Principal shoals on the Ocnee River.

Stream and location.	Name of shoal or fall.	Length.	Fall.	Distance from Milledgeville.
		Feet.	Feet.	Miles.
North Ocnee River:				
Jackson County.....	Hurricane Shoal.....	600	30	71
Do.....	Tumbling Shoals.....	600	8	
Clarke County.....	Athens Factory.....		12	60
Do.....	Georgia Factory.....	2,100	21	56
Middle Ocnee River:				
Jackson County.....	Tallassee Bridge.....	3,600	32	67
Clarke County.....	McElroys Mills.....	2,600	23	62
Do.....	Princeton Factory.....		15	57
Apalachee River:				
Ocnee County.....	High Shoals.....	600	50	50
Do.....	Furiows Shoals.....	4,200	26	42
Morgan County.....	Prices Shoals.....	900	19	40
Little River:				
Putnam County.....	Old Eatonton Factory.....	900	25	
Ocnee River:				
Ocnee County.....	Barnets Shoals.....	4,000	54	53
Morgan County.....	Sculls Shoals.....		10	41
Do.....	Parks Mills.....		8	30
Putnam County.....	Long Shoals.....	1,300	12	23
Baldwin County.....	Milledgeville.....	26,000	34	

TABLE 1.—Climatological data for December, 1910. District No. 2, South Atlantic and east Gulf States.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of partly cloudy days.	Number of clear days.					
<i>Virginia.</i>																					
Arvonia.	Buckingham.	350	7	32.6	- 4.5	67	29	10	14 ⁺	38	2.28	- 0.76	0.80	8.0	8	14	11	6	n.		
Ashland [§] .	Hanover.	221	20	32.4	- 6.1	66	29	13	17 ⁺	31	0.63	- 2.40	0.23	4.0	3	8	20	3	nw.		
Buchanan [§] .	Botetourt.	820	7								1.38	- 1.74	0.72	4.5	6				F. D. Booze.		
Callaville.	Brunswick.	250	17																F. M. Gage.		
Cape Henry.	Princess Anne.	20	37	36.8	- 6.9	67	29	17	17	29	3.62	+ 0.19	1.57	0.2	8	13	5	13	nw.		
Catawba.	Roanoke.	1,750	1	31.6		61	29	14	17	25	2.57		0.72	5.2	7	9	17	5	w.		
Charlottesville.	Albemarle.	800	22	32.6	- 5.5	64	28 [†]	15	17	32	1.93	- 1.29	1.10	8.8	6	13	6	12	n.		
Clarksville [§] .	Mecklenburg.	17									4.42		1.60	2.2	8				C. G. Watkins.		
Columbia.	Fluvanna.	246	13	32.2		67	29	9	14	39	1.99	- 1.85	1.05	5.0	6	16	5	10	nw.		
Danville [§] .	Pittsylvania.	413	11								3.04		1.38	5.9					Charles Brauer.		
Diamond Springs.	Princess Anne.	20	1	36.4		67	29	14	17	42	4.07		1.16	0.2	10	20	2	9	Leander McCormick Obs.		
Hampton.	Elizabeth City.	5	28	36.6	- 5.5	61	29	20	17 [†]	24	4.05	+ 1.03	1.16	0.4	10	17	6	8	J. Henry Ligon.		
Hot Springs.	Bath.	2,195	19	26.7	- 6.0	59	29	6	9 [†]	32	1.88	- 1.48	0.56	5.5	13	9	9	Hampton Institute.			
Ivor.	Southampton.	87	2			55	28				3.89		2.00		6				Dr. Kurt Linnert.		
Lessiter.	Goochland.	100	1								2.24		1.10	11.0	3	23	4	4	N. & W. Ry. Exp. Farm.		
Lexington.	Rockbridge.	1,060	34	27.6	- 8.0	68	30	4	22	46	0.99	- 1.87	0.71	6.8	5	18	5	8	T. J. Davis.		
Lynchburg.	Campbell.	685	40	33.7	- 4.6	64	29	14	17	29	2.00	- 1.27	0.92	5.5	7	12	11	8	Va. Military Institute.		
Newcastle [§] .	Craig.	1,300	2								2.14		1.07		8				U. S. Weather Bureau.		
Newport News.	Warwick.	55	8	38.1		64	29	18	17	27	4.44		1.24	T.	11	17	5	9	Miss J. L. Martin.		
Norfolk.	Norfolk.	91	41	37.2	- 5.5	66	29	22	14	31	3.83	+ 0.43	1.59	0.5	8	16	5	10	C. W. Ashby.		
Petersburg.	Dinwiddie.	60	24	36.1 ^b	- 4.1	68	29	15	17 [†]	31	3.93	+ 0.85	1.34	T.	5			U. S. Weather Bureau.			
Randolph [§] .	Charlotte.	334	7								3.38		1.48	1.2	5				Central State Hospital.		
Richmond.	Henrico.	144	32	34.1	- 6.9	68	29	14	17	33	2.50	- 0.50	1.15	0.7	9	5	16	10	W. B. Spencer.		
Rocky Mount.	Franklin.	1,150	17	32.6	- 7.4	61	29	11	17 [†]	34	2.56	- 0.92	0.82	3.5	8			U. S. Weather Bureau.			
Saxe.	Charlotte.	350	8	34.0		67	28	9	22	39	3.02		1.70					G. W. B. Hale.			
Spotsylvania (near).	Surry.	15	23	34.8	- 5.9	68	29	11	22	33	3.81	+ 0.62	1.17	0.4	7	16	3	12	State Experiment Farm.		
Williamsburg.	James City.	70	20	35.0	- 6.5	67	29	13	17	34	2.72	- 0.10	2.10	5.0	7	14	8	9	E. B. Jones.		
<i>North Carolina.</i>																		Eastern State Hospital.			
Beaufort.	Carteret.	10	8	42.9		59	67	24	22	22	2.60		1.05	T.	10	21	2	8	H. D. Aller.		
Belhaven.	Beaufort.	4	1	38.3		65	30	15	23	35	3.40		1.50	1.9	6	21	2	8	W. S. Hopkins.		
Brewers.	Wilkes.	1,950	13	35.6	- 3.4	61	29	10	22	45	4.11	- 0.28	1.38	3.5	6	13	12	6	W. L. Brewer.		
Caroileen.	Rutherford.	806	10	36.2	- 5.0	63	28 [†]	13	17 [†]	42	4.04	- 1.25	1.00	0.2	8	16	10	5	S. B. Tanner.		
Chalybeate Springs.	Harnett.	500	36	36.7		69	30	12	14 [†]	39	3.71		1.17	1.0	8	18	6	7	J. A. Smith.		
Chapel Hill.	Orange.	500	52	38.0	- 4.2	67	29	15	22	47	4.20	+ 0.39	1.45	0.9	5	14	10	7	Prof. A. H. Patterson.		
Charlotte.	Mecklenburg.	773	34	38.4	- 4.4	68	29	18	22	30	2.53	- 1.31	1.40	0.1	8	14	9	8	U. S. Weather Bureau.		
Chimney Rock.	Rutherford.	1,150	36	39.0		57 [†]	15	18	15 [†]	39 [†]	4.28		1.43	1.0	8	21	4	6	J. M. Flack.		
Durham (near).	Durham.	406	1								4.46		1.51		7				J. C. Michie.		
Eagletown.	Northampton.	66	5	36.4		64	29 [†]	14	22	31	3.71		1.00	0.8	6	21	4	6	J. T. Elliott.		
Edenton.	Chowan.	30	16	37.8 ^b	- 5.2	62	29 [†]	16	17	33 [†]	3.40	- 0.16	1.40	T.	4	20	3	8	E. R. Conger.		
Enfield (near).	Halifax.	99									3.61		1.48	1.0	7				Prof. T. S. Inboden.		
Fayetteville.	Cumberland.	170	23	40.6	- 3.1	69	29	17	22	33	2.57	- 1.81	1.36	T.	9			Frank Glover.			
Goldsboro.	Wayne.	102	40	37.2	- 6.6	62	31	11	22	33	2.60	- 0.92	1.20	T.	6			Mrs. N. B. Taylor.			
Graham.	Alamance.	656	8								3.61		1.11	2.5	9			Dr. W. R. Goley.			
Greensboro.	Guildford.	843	29	37.1	- 3.8	65	39	16	22	36	2.94	- 0.47	1.22	1.0	6			A. R. Horry.			
Greenville.	Pitt.	75	17								3.37		0.01	0.07	1.6	10			U. S. Weather Bureau.		
Hatteras.	Dare.	11	36	42.6	- 6.2	65	24	28	22	30	2.39	- 2.72	1.07	0.0	6	19	4	8	E. Powell.		
Henderson.	Vance.	503	18	36.2	- 4.5	63	29	17	22	33	4.84	+ 0.93	1.48	1.5	8	14	11	6	G. M. Gooforth.		
Kinston.	Lenoir.	46	12	40.2	- 3.7	70	29 [†]	14	14	40	4.66	- 0.06	1.17	T.	6	21	1	9	S. P. Houser.		
Lenoir.	Caldwell.	1,186	37	33.9	- 4.7	60	29	8	22	46	3.66	+ 0.15	1.18	1.4	10	25	2	4	T. B. Wilder.		
Lincolnton.	Lincoln.	994	5	33.6		63	29	10	37	48	3.73		2.37	0.2	6	19	9	3	U. S. Weather Bureau.		
Louisburg.	Franklin.	375	19	36.6	- 4.3	63	29	13	22	34	4.82	+ 1.42	1.69	T.	9	24	4	3	B. M. Davis.		
Lumberton.	Robeson.	102	27	40.0	- 4.1	71	29	15	14	44	2.31	- 1.05	1.35	T.	9			Sgt. Thos. McGuire.			
Manteo.	Dare.	12	5	38.8		63	30	17	17	32	2.58		1.28	0.0	5	19	6	6	B. J. Utley.		
Marion.	McDowell.	1,425	18	36.0	- 4.4	62	29	12	22	45	5.34	+ 0.74	1.91	1.7	10	16	6	6	T. A. Ashcraft.		
Moncure.	Chatham.	145	16	36.3	- 5.5	69	29	10	22	37	3.77	+ 0.31	1.30	0.8	8	20	1	10	H. D. Judd.		
Monroe.	Union.	586	16	38.4	- 4.2	68	29	12	3	33	3.85	- 0.12	0.85	0.8	6	18	2	11	J. W. Holland.		
Morganton.	Burke.	1,135	23	35.4	- 6.1	61	29	11	37	42	3.70	- 0.19	1.03	0.2	6	21	5	6	J. B. Boddie.		
Mount Airy.	Surry.	1,048	22	34.2	- 4.5	62	29	10	14	41	3.45	- 0.12	0.90	1.7	9	20	5	6	James B. Hill.		
Mount Holly.	Gaston.	616	13								4.03	- 0.16	1.06	1.0	8				Pinehurst General Office.		
Nashville.	Nash.	190	6	36.6		67	29	13	22	35	4.30		1.92	3.0	8	14	8	9	n.		
Newbern.	Craven.	12	28	40.0	- 6.7	69	29	15	14	41	3.28	- 0.41	1.32	T.	6			nw.			
Pinehurst [§] .	Moore.	650	8	40.2		69	29	18	22	32	3.42		1.29		9	18	5	8	U. S. Weather Bureau.		
Raleigh.	Wake.	390	39	37.9	- 4.8	65	29	20	22	29	3.65	+ 0.48	1.60	0.9	10	17	5	9	J. R. Walton.		
Ramsour.	Dundop.	442	3	35.5		67	29	10	22	42	3.38		1.20	2.0	7	13	1	7	E. M. Redd.		
Randolph.	Rockingham.	810	5								3.74		1.09	1.1	9				Barry C. Hawkins.		
Reidsville.	Macon.	828	11	35.9	- 2.7	63	29	14	22	35	2.97	- 0.91	1.20	1.35	7	13	1	17	H. S. Ledbetter.		
Rook House.	Richmond.	3,100	18	33.4	- 6.1	54	27	10	21	27	6.90	- 0.27	3.55	0.6	6	16	9	6	G. P. Womble.		
Rockingham.	Iredell.	210	15	39.0	- 5.0	70	30	14	21	44 [†]								N. Lunsford.			
Rocky Mount.	Person.	600	1																		

MONTHLY WEATHER REVIEW.

DECEMBER, 1910

TABLE 1.—Climatological data for December, 1910. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall melted.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>South Carolina—Cont'd.</i>																					
Charleston.	48	40	45.6	-5.7	67	29	28	21	25	1.21	-1.94	0.69	0.0	5	15	8	8	w.	U. S. Weather Bureau.		
Charlestown.	144	22	40.3	-3.7	70	29	16	22	35	2.31	-0.82	0.96	T. 10	19	6	6	6	w.	J. H. Powe.		
Chesterfield.	19	38	38.8	-3.3	63	29	15	21	31	4.68	-1.12	1.70	0.0	5	24	9	6	7	nw.	H. K. Gilbert.	
Clemson College.	850	19	38.8	-3.3	71	29	20	3	31	1.30	-1.60	0.51	0.0	7	16	9	6	7	w.	Prof. John N. Hook.	
Columbia.	351	23	42.4	-4.8	71	29	20	3	31	1.30	-1.89	0.39	0.0	5	21	0	10	10	sw.	U. S. Weather Bureau.	
Conway.	25	18	43.7	-4.0	72	29	18	14 ^t	39	1.41	-1.29	1.15	0.0	5	22	6	3	3	w.	P. C. Quattlebaum.	
Dillon.	100	6	43.0 ^c	-3.2	71	29	14	14	40	2.18	-1.30	0.87	0.0	5	26	0	5	5	w.	A. E. Rowell.	
Effingham.	106	18	43.0 ^c	-3.2	71	29	14	14	40	2.18	-1.30	0.87	0.0	5	21	2	7	7	w.	H. B. McCall.	
Ferguson.	51	2	43.0 ^c	-3.2	71	29	14	14	40	2.18	-1.30	0.87	0.0	5	21	4	6	6	sw.	E. M. Galliard.	
Florence.	136	22	43.0 ^c	-1.8	76	29	17	22	44	2.39	-0.70	1.75	0.0	4	21	2	7	7	w.	J. H. Boggs.	
Georgetown.	12	17	44.6	-4.4	70	29	21	14	36	1.15	-2.54	0.35	T. 7	2	18	11	2	2	w.	A. P. Hazard.	
Greenville.	969	18	40.4	-0.2	67	27	17	14	44	4.56	+0.13	1.80	T. 7	14	7	10	10	nw.	Mrs. S. A. Crittenden.		
Greenwood.	671	22	39.4	-3.0	69	29	18	23	36	3.47	-0.95	1.23	0.0	5	20	0	11	9	w.	M. M. Calhoun.	
Heath Springs.	568	9	38.4	-6.6	69	29	14	22	32	2.80	-0.66	1.30	0.0	5	22	6	3	3	w.	J. A. Weener.	
Jacksonboro.	13	2	44.5	-6.8	68	29	21	14 ^t	35	1.26	-0.74	0.0	4	21	1	9	9	w.	W. E. Haskell, Jr.		
Kingstree.	54	22	43.6	-3.6	70	28	20	31	35	1.32	-1.99	0.70	0.0	5	20	5	5	5	w.	A. O. Matthews.	
Liberty.	900	16	38.5	-4.0	62	29	15	22	35	4.96	+0.12	2.25	0.1	5	21	0	14	5	w.	Jno. T. Boggs.	
Meriwether.	1	1	43.1	-7.4	72	31	17	22	43	1.36	-0.56	0.0	3	16	0	5	6	w.	Wm. S. Middleton.		
Newberry.	502	6	40.6	-4.2	70	29	17	22	34	2.96	-0.67	1.04	0.0	0	9	13	9	9	w.	W. G. Peterson.	
Pelzer.	873	5	45.4	-4.0	70	29	17	22	34	4.36	-1.58	0.0	4	21	6	4	4	w.	John M. Ward.		
Pinopolis.	55	17	45.4	-4.0	70	29	17	22	34	4.36	-1.58	0.0	4	21	2	2	2	w.	Miss E. P. Ravelen.		
St. George.	109	22	44.5	-2.9	71	29	20	31	31	1.55	-1.67	0.90	0.0	3	29	0	2	2	w.	G. F. Lewis.	
St. Matthews.	209	22	42.8	-3.3	69	29	22	14 ^t	33	2.27	-1.07	1.00	0.0	5	21	0	10	10	w.	J. S. Wannamaker.	
Santuc.	512	15	39.0	-4.0	69	29	14	22	32	3.92	-0.10	1.55	0.0	0	7	15	11	5	w.	E. W. Jeter.	
Smith Mills.	63	15	45.6	-4.5	68	29	12	21	38	2.56	-0.59	1.05	0.0	8	17	7	7	7	w.	W. G. Walker.	
Society Hill.	192	19	40.8	-4.5	68	29	12	21	38	2.56	-0.59	1.05	0.0	8	17	7	7	7	w.	Mal. J. J. Lucas.	
Spartanburg.	875	19	37.0	-5.2	64	25	15	22	33	3.67	-0.48	1.30	T. 6	17	0	14	4	sw.	F. P. Robinson.		
Summerville.	75	13	44.4	-3.8	71	29	19	14	34	1.65	-2.01	1.00	0.0	6	16	10	5	5	w.	Miss E. H. Gadsden.	
Trenton.	620	17	42.9	-4.0	70	29	20	19	32	2.78	-1.26	0.96	0.0	6	18	8	5	5	sw.	C. A. Long.	
Walterboro.	69	6	45.4	-7.7	75	29	17 ^t	14	42	1.73	-1.26	1.16	0.0	6	18	5	2	2	nw.	J. A. Westerberg.	
Winnsboro.	545	21	39.7	-6.0	68	29	19	22	39	1.55	-1.56	0.70	0.0	4	24	5	2	2	nw.	John W. Seigler.	
Winthrop College.	690	11	39.2	-7.1	67	29	16	22	39	3.15	-1.40	0.94	T. 7	19	2	12	12	sw.	E. R. Rivers.		
Yemassee.	23	15	42.2	-5.4	71	29	19	14	36	1.74	-1.83	0.75	0.0	6	16	0	15	15	w.	J. G. Hutson.	
<i>Georgia.</i>																					
Abbeville.	Wilcox.	7	37.6	-4.6	65	29	18	14 ^t	34	2.31	-1.18	0.93	0.0	5	19	0	12	12	w.	W. H. Calhoun.	
Adairsville.	Bartow.	772	18	37.6	-5.3	73	28	23	3	36	2.24	-1.61	T. 5	13	9	9	9	w.	Dr. J. P. Bowdoin.		
Albany.	Dougherty.	230	25	46.3	-5.3	62	29	23	14	38	2.08	-1.62	1.04	0.0	4	17	2	12	12	nw.	Geo. C. Brosman.
Allapaha.	Berrien.	293	21	47.4	-3.6	76	29	23	14	38	2.08	-1.73	0.68	0.0	5	17	7	7	7	w.	James T. Austin.
Americus.	Sumter.	302	27	42.4	-7.4	72	29	23	14	42	2.64	-1.17	0.80	0.0	6	18	2	11	11	nw.	F. P. Hartold.
Athens.	Clarke.	694	33	39.2	-4.6	69	29	18	21	35	3.22	-0.95	1.48	0.0	6	19	0	10	10	sw.	C. D. Cox.
Atlanta.	Fulton.	1,218	45	39.6	-4.5	66	29	19	21	36	2.70	-1.85	1.28	T. 10	12	6	13	13	w.	U. S. Weather Bureau.	
Augusta.	Richmond.	180	44	43.4	-4.1	72	29	20	22	31	1.64	-1.97	0.52	0.0	7	15	10	6	6	w.	Do.
Bainbridge.	Decatur.	119	18	47.0 ^c	-3.8	77	29	21	7	39	1.36	-2.88	0.80	0.0	5	21	0	10	10	n.	Mrs. C. O. Wimberley.
Barnesville.	Pike.	875	2	42.0	-5.1	68	29	20	21	35	2.51	-1.28	0.94	0.0	6	14	9	8	8	w.	Prof. T. O. Galloway.
Blakely.	Early.	300	19	46.2	-4.7	80	29	20	31	42	2.32	-1.67	0.94	0.0	4	14	10	7	7	n.	Ralph M. Hobbs.
Butler.	Taylor.	650	8	45.4	-4.5	69	29	17	3	41	2.05	-3.21	0.78	0.0	7	20	3	8	8	nw.	Mrs. Mamie F. Wallace.
Camak.	Warren.	613	17	41.2	-4.5	69	29	17	3	41	2.05	-4.28	0.70	0.0	4	17	2	12	12	w.	J. A. Chapman.
Canton.	Cherokee.	894	17	41.2	-4.5	69	29	17	3	41	2.05	-4.28	0.70	0.0	5	14	0	13	13	w.	G. W. Evans.
Carlton.	Madison.	557	11	41.2	-4.5	69	29	17	3	41	2.05	-4.29	1.49	0.0	7	22	0	9	9	w.	M. C. Power.
Clayton.	Rabun.	2,100	17	35.8	-5.9	60	28	13	14 ^t	38	4.86	-1.70	2.25	T. 5	17	7	7	7	w.	A. J. Duncan.	
Columbus.	Muscogee.	262	23	43.0	-5.5	72	29	23	3	39	3.10	-1.40	1.05	0.0	6	14	6	11	11	nw.	A. J. Land.
Covington.	Newton.	800	17	41.2	-5.5	60	29	13	14 ^t	38	3.10	-1.40	1.05	0.0	6	16	7	8	8	nw.	Mrs. Sarah E. Cruse.
Cuthbert.	Randolph.	446	11	42.0 ^c	-5.1	68	5	21	3	30	3.30	-1.30	1.38	0.0	7	21	4	6	6	w.	Prof. W. McMichael.
Dahomega.	Lumpkin.	1,519	18	36.8	-5.3	60	29	17	13 ^t	31	5.29	-0.71	2.77	T. 10	11	10	10	10	nw.	Prof. B. P. Gaillard.	
Diamond.	Gilmer.	2,020	36	4.4	-5.2	60	29	14	14 ^t	36	6.00	+0.51	3.10	T. 9	12	6	13	13	nw.	R. A. Kimzey.	
Dublin.	Laurens.	452	16	44.5	-6.8	74	29	19	14 ^t	35	3.20	-0.66	0.86	0.0	7	19	2	10	10	sw.	Mrs. M. E. Martin.
Dudley.	Dodge.	8	44.5	-6.8	74	29	19	14 ^t	34	3.27	-0.84	0.0	0	7	19	5	7	7	nw.	J. H. M. O'Sullivan.	
Eastman.	Putnam.	361	19	46.2 ^b	-2.4	74 ^b	5	23	14 ^t	40	2.49	-1.32	1.09	0.0	7	21	4	6	6	nw.	Miss A. M. Bonham.
Eatonont.	Elbert.	710	19	40.2	-5.1	65	29	14	21	29	2.74	-1.09	1.38	0.0	7	21	4	6	6	w.	H. A. Roebuck.
Elberton.	Spalding.	946	10	41.7	-3.6	65	5	22	21	28	2.68	-2.19	1.00	0.0	6	16	6	9	9	nw.	Martin V. Calvin.
Experiment.	Clay.	166	23	44.4	-5.6	73	29	21	3	41	1.94	-2.92	1.35	0.0	3	17	0	14	14	nw.	Mrs. Eva T. Graham.
Fort Gaines.	Hall.	1,254	34	35.8	-6.6	63	29	15	14 ^t	35	4.80	-0.17	2.55	0.0	7	25	0	6	6	w.	W. C. Walker.
Gainesville.	Gillsville.	1,052	20	38.6	-6.8	64	29	16	21	31	4.04	+0.04	2.10	T. 6	18	8	5	5	w.	J. W. Casey.	
Glenville.	Gore.	5	4																		

TABLE 1.—Climatological data for October, 1910. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeted.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Georgia—Continued.																					
Toccoa.	Stephens.	1,060	25	38.2	-4.8	62	27†	18	21	35	4.45	-0.75	2.00	0.0	6	22	0	9	w.	Mrs. Alice Starke.	
Valdosta.	Lowndes.	219	5	48.5	-	83	29	22	3	51	1.55	-	0.55	0.0	4	16	2	13	w.	Miss Annie Twitty.	
Valona.	McIntosh.	10	10	46.4*	-4.6	74	29	21†	22	35	1.01	-1.81	0.56	0.0	2	28	1	2	nw.	J. M. Atwood.	
Washington.	Wilkes.	630	23	40.5	-4.3	70	29	19	21	33	3.10	-0.82	0.76	0.0	6	22	2	7	ne.	Miss Ella B. Smith.	
Waycross.	Ware.	131	21	47.6	-3.8	73	29	23	22	45	1.83	-0.98	0.70	0.0	6	25	0	6	nw.	Thomas Sasser.	
Waynesboro.	Burke.	86	19	43.6	-4.0	74	29	17	3†	39	1.46	-1.96	0.55	0.0	4	24	3	4	nw.	Mrs. H. W. Blount.	
West Point.	Troup.	620	22	40.0*	-6.1	67 ^b	20	3†	3†	36	3.14	-2.35	1.20	0.0	8	13	4	14	nw.	E. N. Dunn.	
Florida.																					
Apalachicola.	Franklin.	24	5	51.0	-	71	18	29	7	32	2.56	-	1.12	0.0	3	23	4	4	s.	G. H. Whiteside.	
Arcadia.	De Soto.	61	8	56.0	-	81	30†	28	3†	39	0.64	-	0.15	0.0	9	23	4	4	nw.	C. S. Bushnell.	
Archer.	Alachua.	92	24	52.0	-5.3	79	29	25	3	42	0.29	-	2.96	0.22	0	3	5	20	8	3	R. B. Hodgeson.
Avon Park.	De Soto.	150	11	56.8	-5.4	83	30	29	3	40	0.62	-1.61	0.30	0.0	5	20	8	3	ne.	O. R. Thatcher.	
Bartow.	Polk.	115	13	54.4	-6.8	82	30	26	3	41	0.81	-1.54	0.35	0.0	5	14	16	1	ne.	Wm. Hood.	
Bonifay.	Holmes.	111	8	48.1	-	71	27	20	3	40	2.47	-	1.15	0.0	3	24	6	1	w.	Wm. Rush.	
Brooksville.	Hernando.	126	17	55.4	-3.6	81	29	23	3	38	0.27	-	2.08	0.15	0.0	2	24	6	1	ne.	C. C. Peck.
Carrabelle.	Franklin.	10	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	J. J. Blomquist.	
Cedar Keys.	Levy.	10	12	52.2	-6.3	76	29	32	2	26	0.49	-	1.97	0.49	0.0	1	20	6	5	nw.	J. B. Lutterloh.
Clermont.	Lake.	105	16	56.2	-4.9	81	30	33	2†	35	1.05	-1.40	0.55	0.0	2	20	6	5	nw.	S. S. Fesler.	
De Funik Springs.	Walton.	193	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R. W. Storrs.	
De Land.	Volusia.	27	13	52.1	-6.2	79	30	24	3	37	0.63	-	0.35	0.0	6	21	6	4	nw.	O. B. Webster.	
Eustis.	Lake.	56	17	54.8	-5.0	79	29†	29	3†	40	0.77	-1.51	0.38	0.0	4	25	5	1	w.	C. T. Smith.	
Federal Point.	Putnam.	5	17	52.8	-4.3	80	29	30	2	36	0.98	-1.69	0.50	0.0	7	21	8	2	ne.	E. S. Hubbard.	
Fernholway.	Taylor.	75	3	48.64	-	76	29	23	3	41	1.09	-	1.09	0.0	0	1	23	6	2	nw.	Miss E. Wigglesworth.
Fernandina.	Nassau.	10	12	50.8	-5.7	76	30	30	2	28	0.82	-	2.64	0.42	0.0	3	20	10	1	ne.	W. B. C. Durree.
Fort Meade.	Polk.	125	17	55.2	-4.7	84	30†	24	3	44	0.25	-	2.07	0.25	0.0	1	23	6	2	nw.	G. L. Brodrick.
Fort Myers.	Lee.	12	17	58.7	-5.5	80	31	36	4	28	0.34	-1.18	0.18	0.0	3	24	7	0	ne.	Miss M. M. Gardner.	
Fort Pierce.	St. Lucie.	6	18	58.0	-6.7	81	30	34	2†	39	0.20	-2.03	0.20	0.0	1	25	2	4	nw.	T. J. O'Brien.	
Gainesville.	Alachua.	176	23	52.0	-4.5	77	30	26	2	32	0.76	-1.92	0.46	0.0	5	22	0	9	ne.	J. P. H. Bell.	
Grammer.	Orange.	175	13	54.0	-5.1	79	30	27	3	37	0.56	-	0.40	0.0	4	25	2	4	se.	J. B. Escott.	
Hilliard.	Nassau.	69	1	49.3	-	78	31	24	3†	41	0.75	-	0.45	0.0	3	23	6	2	se.	The Hilliard Co.	
Homestead.	Dade.	5	1	61.0	-	85	31	31	3	36	0.35	-	0.29	0.0	0	3	23	6	2	se.	W. J. Krome.
Inverness.	Citrus.	43	3	51.6	-	77	30	28	4†	37	0.89	-1.58	0.42	0.0	3	11	12	8	ne.	W. H. Miller.	
Jacksonville.	Duval.	101	40	50.8	-4.4	75	29	29	2	27	1.07	-1.92	0.43	0.0	7	17	10	4	nw.	U. S. Weather Bureau.	
Jasper.	Hamilton.	152	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mrs. W. C. Caldwell.	
Johnstown.	Bradford.	125	14	51.1	-3.3	78	29	24	3†	40	0.65	-1.97	0.36	0.0	5	21	6	4	nw.	A. M. C. Brach.	
Jupiter.	Palm Beach.	34	23	61.0	-5.3	82	30	26	2	27	1.11	-1.76	0.80	0.0	5	12	16	3	nw.	U. S. Weather Bureau.	
Key West.	Monroe.	14	40	65.3	-4.8	78	18	51	4	17	0.18	-1.66	0.11	0.0	3	18	12	1	ne.	Do.	
Kissimme.	Osceola.	65	17	56.6	-4.2	80	30†	29	2	34	0.65	-1.90	0.65	0.0	1	16	11	4	ne.	J. A. Simpson.	
Lake City.	Columbia.	210	20	51.3	-4.9	76	29	25	2†	44	0.82	-3.10	0.32	0.0	2	20	7	4	nw.	W. B. Knight.	
Live Oak.	Suwanee.	109	8	-	-	78	30	26	-	-	1.60	-	0.84	0.70	0.0	6	21	0	10	nw.	J. D. Henry.
Macclenny.	Baker.	125	13	49.2*	-5.1	74	23	22	3†	42	0.34	-2.84	0.22	0.0	3	20	6	4	nw.	Griffing Bros. Co.	
Madison.	Madison.	200	6	47.6	-	76	29	26	2	40	1.34	-2.65	0.54	0.0	6	16	6	9	nw.	E. J. Vann.	
Malabar.	Brevard.	24	8	57.0	-	85	31	30	2	39	0.33	-	0.17	0.0	5	23	6	2	n.	J. F. Farley.	
Manatee.	Marion.	8	17	55.4	-6.4	76	29†	32	4	33	0.95	-1.43	0.33	0.0	5	24	7	0	n.	H. H. Ten Broeck.	
Marianna.	Jackson.	80	9	-	-	78	31	24	3†	41	0.75	-	0.75	0.0	3	16	6	9	nw.	W. J. Watson.	
Merritts Island.	Brevard.	20	30	56.4	-6.6	77	30	25	2	35	0.43	-2.06	0.30	0.0	4	24	6	1	ne.	F. Ulrich.	
Miami.	Dade.	5	13	63.3	-5.4	80	6†	37	3	28	0.55	-1.64	0.55	0.0	1	24	6	1	ne.	E. V. Blackman.	
Miami (Subtrop. Gar.).	Clay.	5	8	49.6	-	78	29	22	3†	46	0.70	-	0.50	0.0	2	21	6	4	nw.	J. L. Hickson.	
Middleburg.	Molino.	49	8	48.7	-	80	5	19	3	44	0.57	-	2.40	0.0	5	19	1	11	n.	G. A. Chalker.	
Mount Pleasant.	Escambia.	260	5	48.3	-	76	29	21	3	42	1.49	-	0.50	0.0	5	20	6	2	n.	W. H. Trimmer.	
Newport.	Wakulla.	11	17	-	-	72	27	24	3†	41	0.85	-	4.19	0.85	0.0	1	19	0	12	n.	Miss Addie Grubb.
New Smyrna.	Volusia.	9	21	55.4	-4.5	82 ^a	30	29	2	37	0.66	-	1.88	0.31	0.0	5	24	7	0	n.	J. M. Ladd.
Ocala.	Marion.	28	22	52.4	-5.5	79	29	26	3	43	0.94	-1.41	0.47	0.0	4	24	6	9	nw.	F. Nordmark.	
Orange City.	Volusia.	39	19	52.4	-6.9	78 ^a	28†	24	3	41	1.03	-	0.91	0.43	0.0	4	20	10	1	w.	J. D. Graham.
Orlando.	Orange.	111	17	55.8	-4.4	82	30	29	3	37	0.80	-	1.28	0.60	0.0	3	20	6	6	ne.	James Thomson.
Pensacola.	Escambia.	149	32	50.6	-3.3	68	5	28	2	32	3.53	-	2.25	+ 1.05	0.0	8	14	3	14	ne.	U. S. Weather Bureau.
Plant City.	Hillsboro.	121	17	54.6	-5.9	83	30	29	3	41	0.84	-	1.42	0.40	0.0	3	24	7	0	nw.	E. B. Trask.
Rockledge.	Brevard.	28	1	55.4	-	78	31	30	2	33	0.48	-	0.48	0.0	1	23	6	2	nw.	Rev. J. H. White.	
St. Andrew.	Washington.	14	14	49.9	-2.8	73	29	27	21	31	2.60	-	2.68	1.11	0.0	6	16	6	10	w.	W. A. Emmons.
St. Augustine.	St. Johns.	10	59	52.7	-4.9	78	29	28	21	31	1.19	-	1.38	0.63	0.0	3	15	6	10	e.	J. R. Palmer.
St. Leo.	Putnam.	140	14	54.2	-5.4	78	29	31	3	32	0.80	-1.95	0.47	0.0	4	20	7	4	w.	G. Schneider.	
Satsuma Heights.	St. Johns.	98	13	50.9	-3.8	76	30	27	2	34	1.52	-	1.36	1.52	0.0	1	21	6	1	n.	The Satsuma Co.
Switzerland.	Leon.	10	13	51.2*	-3.8	77	29	28	2†	35	1.52	-	1.36	1.52	0.0	1	21	7	5	n.	W. C. Steele.
Tallahassee.	Hillsboro.	192	24	47.7	-5.3	72	29	25	2	30	1.80	-	2.96	0.65	0.0	4	19	7	5	n.	W. H. Markham.
Tampa.	79	21	55.5	-4.0	77	29	34	8	28	1.05	-	0.97	0.64	0.0	4	19	7	5	n.	U. S. Weather Bureau.	
Tarpon Springs.	20	16	55.0	-4.8	7																

MONTHLY WEATHER REVIEW.

DECEMBER, 1910

TABLE 1.—Climatological data for December, 1910. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.			Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of clear days.	Number of partly cloudy days.	Number of overcast days.			
Alabama—Continued.																				
Lock No. 4.	Talladega.	510	13	40.5	- 2.9	69	5	18	21	35	3.52	- 1.24	1.54	0.0	8	18	0	n.		
Maple Grove.	Cherokee.	17	37.9	- 4.3	69	5	17	20	36	3.68	- 1.53	1.45	0.0	9	12	7	nw.			
Mentone.	Dekalb.	1,595	3							4.93		2.92	0.0	2	6	19	3	nw.		
Milstead.	Macon.	7										0.94	0.0	8	12	9	10	ne.		
Mobile.	Mobile.	57	38	51.0	- 0.5	73	5	29	2	24	3.78	- 0.79	2.06	0.0	8	12	7	n.		
Montgomery.	Montgomery.	240	38	45.2	- 3.9	72	29	25	3	33	3.43	- 1.07	1.34	T.	6	14	4	nw.		
Newbern.	Hale.	17	45.0	- 2.1	72	51	21	2	22	3.25	- 1.19	1.09	0.0	8	16	10	5	n.		
Oneonta.	Blount.	857	16	37.8	- 4.6	63	29	13	24	34	3.34	- 1.69	1.25	T.	11	9	4	18	n.	
Opelika.	Lee.	817	31	42.0	- 4.7	68	29	23	27	29	3.82	- 1.13	1.20	0.0	7	14	4	13	n.	
Ozark.	Dale.	400	8	49.2		71	29	30	3	31	3.05		1.00	0.0	6	20	5	6	n.	
Prattville.	Autauga.	281	10	43.2	- 3.3	72	51	19	3	40	3.32		0.72	0.0	7	16	6	9	n.	
Pushmataha.	Choctaw.	19	47.0 ^d	- 0.9	75 ^a	28	23	27	38 ^b	3.49	- 2.23	0.85	0.0	7	14	5	12	nw.		
Selma.	Dallas.	147	30	43.2	- 3.7	75	5	21	3	40	4.08	- 0.52	0.84	0.0	10	11	8	12	w.	
Spring Hill.	Mobile.	312	6	49.8		74	51	28	27	29	4.61		2.36	0.0	9	13	11	7	nw.	
Tallassee.	Elmore.	19									3.57	- 1.66	1.06	0.0	8	11	2	18	n.	
Thomasville.	Clarke.	385	19	44.0	- 4.4	73	5	20	31	41	3.43	- 0.10	0.97	0.0	7	16	1	14	e.	
Troy.	Pike.	581	2	46.8		74	29	24	31	32	3.03		1.00	0.0	10	12	8	11	nw.	
Tuscaloosa.	Tuscaloosa.	230	41.1	- 5.1	75	5	21	3	52	4.51	- 0.53	1.14	0.0	11	17	1	13	se.		
Tuskegee.	Macon.	10	44.6	- 3.6	71	51	21	3	36	2.75	- 3.27	0.77	0.0	5	9	10	12	n.		
Union Springs.	Bulloch.	216	23	43.5	- 4.0	72	29	23	24	31	3.54	- 1.41	0.60	0.0	7	15	8	8	w.	
Uniontown.	Perry.	273	24	45.6	- 3.4	73	5	21	2	37	3.23	- 1.03	0.62	0.0	7	14	7	10	nw.	
Valley Head.	Dekalb.	1,031	25	37.8	- 3.6	63	28 ^c	12	21	37	2.87	- 1.97	2.00	2.0	5	14	3	9	n.	
Wetumpka.	Elmore.	205	18	45.3	- 2.2	72	51	21	3	39	3.53	- 1.28	1.08	0.0	8	14	0	17	n.	
Mississippi.																				
Aberdeen.	Monroe.	210	22	41.4	- 1.4	71	29	19	21	36	2.96	- 2.15	1.66	0.0	5	15	4	12	n.	
Agricultural College.	Oktibbeha.	424	20	43.8	- 3.2	72	29	20	21	40	3.00	- 1.52	1.85	0.0	10	10	10	11	n.	
Bay St. Louis.	Hancock.	28	17	51.6	- 0.7	72	5	24	7	29	4.00	- 1.16	1.69	0.0	10	10	6	15	e.	
Biloxi.	Harrison.	24	19	51.4	- 0.7	69	28	26	7	26	3.37	- 1.80	1.92	0.0	7	12	4	15	nw.	
Booneville.	Prentiss.	504	16	39.5	- 5.1	65	28	20	21	33	4.20	- 0.89	1.38	0.8	9	12	14	6	s.	
Brookhaven.	Lincoln.	500	22	48.1	- 2.2	74	28	23	7	40	3.63	- 1.38	1.45	0.0	9	11	5	15	sw.	
Columbia.	Marion.	110	6								3.38	- 1.24	1.30	0.0	11	11	5	15	w.	
Columbus.	Lowndes.	191	22	41.8	- 3.8	73	28	18	21	40	2.96	- 2.12	1.36	T.	9	13	0	18	nw.	
Crystal Springs.	Copiah.	468	18	47.1	- 1.3	73	28	23	24	36	3.89	- 1.64	1.55	0.0	10	9	6	16	n.	
Edinburg.	Leake.	248	5	2	43.7		73	29	18	2	35	3.94		1.96	0.0	12	10	2	19	ne.
Enterprise.	Clarke.										4.02		1.50	0.0	12	10	2	19	n.	
Fulton.	Itawamba.	1									3.94		1.16	0.0	8	10	5	16	n.	
Hattiesburg.	Forest.	189	17	49.2	- 1.9	78	10 ^c	20	2	46	2.86	- 1.66	1.22	0.0	8	10	2	19	n.	
Hazlehurst.	Copiah.	460	20	47.8	- 0.8	72 ^b	28	23	27	39 ^b	4.28	- 0.94	1.58	0.0	8	10	6	15	s.	
Hickory.	Newton.	326									4.50		1.25	0.0	7					
Jackson.	Hinds.	280	23	45.2	+ 0.7	74	27	22	7	37	3.69	- 0.84	1.81	0.0	13	9	10	12	se.	
Lake.	Scott.	446	22	44.3 ^d	- 2.3	72	28 ^c	23	2	31	4.77	+ 0.39	1.70	0.0	5	12	2	17	nw.	
Laurel.	Jones.	241	6	48.6		75	28	23	2	31	5.19		1.20	0.0	10	10	7	14	nw.	
Leakesville.	Greene.	16	51.0	+ 0.4	78	10	22	2	42	4.83	- 0.59	1.68	0.0	7	8	9	13	9 ^c		
Louisville.	Winston.	561	21	44.8	- 2.8	71	29	20	31	33	3.14	- 1.56	2.00	0.0	8					
McNeil.	Pearl River.	230	7	51.8		74	28	23	7	34 ^b	3.65		1.70	0.0	7	10	15	6	se.	
Macon.	Noxubee.	185	22	41.4	- 4.9	74	29	19	3	40 ^b	3.09	- 1.36	1.35	T.	9	14 ^b	11 ^b	se.		
Magnolia.	Pike.	415	14	50.3	- 0.2	74	28	22	27	34	3.30	- 2.32	1.02	0.0	9	8	4	19	nw.	
Meridian.	Lauderdale.	375	20	45.4	- 1.5	73	28	23	3	31	4.60	- 0.61	1.38	0.0	11	10	7	14	n.	
Merrill.	Greene.	76	5								4.46		1.50	0.0	8	11	3	18	n.	
Monticello.	Lawrence.	209	3	48.7		77	28	19	2	37	3.56		1.12	0.0	11	4	3	19	nw.	
Okolona.	Chickasaw.	311	23	40.2	- 3.6	68	28	19	21	42	3.75	- 0.56	1.60	0.5	7	10	4	17	n.	
Pascagoula.	Jackson.	15	1	50.6		68	5	25	7	26	3.71		1.75	0.0	7	13	7	11		
Pearlington.	Hancock.	10	22	51.4	- 1.3	76	5	22	2	33	3.56	- 0.89	1.68	0.0	6	11	6	15	ne.	
Shubuta.	Clarke.	197	5								4.18		1.38	0.0	12	10	6	15	n.	
Waynesboro.	Wayne.	191	23	46.5	- 2.3	74	51	18	2	47	2.98	- 1.54	1.15	T.	7	16	0	15	n.	
Woodland.	Chickasaw.		1								3.21		1.83	0.0	6					
Louisiana.											3.61		1.34	0.0	12	13	8	10	n.	
Pearl River.	St. Tammany.	5									2.01		0.80	0.0	7				Geo. F. Banks.	
Sheridan.	Washington.																	D. A. Self.		

*, **, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

** Precipitation included in that of the next measurement.

† Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

‡ Also on other dates.

§ Separate dates of falls not recorded.

|| Data are from standard instruments not supplied by the U. S. Weather Bureau.

¶ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

** Estimated by observer.

|| Estimated by observer.

† Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

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T. Precipitation is less than 0.

TABLE 2.—*Daily precipitation for December, 1910. District No. 2, South Atlantic and east Gulf States.*

Stations.	River basins.	Day of month.																														Total.												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31												
<i>Virginia.</i>																																												
Arvonia.	James.	.01	.80	.35	.20						T.	.03																						.06	2.28									
Ashland.	do.	T.	.20	.20	.20																													.63	0.63									
Buchanan	do.	T.	.16	.72	.06																														1.38	3.62								
Cape Henry.	Coast.	.02	.79	.78	T.							.04	T.																							2.57	2.57							
Catawba.	James.	.50	.52	.72								.05																									1.93	1.93						
Charlottesville.	do.	.02	.61	1.10	.05							.10																										2.57	2.57					
Clarksville .	Roanoke	.22	.25	1.80	.10							.08																										4.42	4.42					
Columbia.	James.	* 1.05										.09																											1.99	1.99				
Danville .	Roanoke	.20	.31	1.38	.06							.08																										3.04	3.04					
Diamond Springs.	Coast.	.03	.53	1.16	.03							.05																										4.07	4.07					
Hampton.	do.	.04	.57	1.16	.04							.07																									4.05	4.05						
Hot Springs .	James.	.05	.08	.25	.45	.07																																1.85	1.85					
Ivor.	Chowan.		*	*	1.75																																	3.89	3.89					
Lassiter.	James.	T.	1.10	T.	T.																																	2.24	2.24					
Lexington.	do.	*	.71																																				0.99	0.99				
Lynchburg.	do.	.06	.85	.17																																			2.00	2.00				
Newcastle .	Coast.	T.	.63	1.24	.03							.06																										2.14	2.14					
Newport News.	do.	.04	.81	.79	T.							.03																										4.44	4.44					
Norfolk.	do.	.10	.37	.82	.05																																	3.83	3.83					
Petersburg.	James.	.10	.30	.65	.30																																	3.93	3.93					
Randolph .	Roanoke	.08	.10	1.48																																		3.38	3.38					
Richmond.	James.	T.	.83	.36	.01							.02																										2.50	2.50					
Rocky Mount.	Roanoke	.10	.37	.82	.05																																	2.56	2.56					
Saxe.	do.	.50	.72	1.70																																		3.02	3.02					
Spottswood (near).	Chowan.	.02	1.04	.68																																			3.81	3.81				
Williamsburg.	James.	.02	.55	1.05	.10																																		2.72	2.72				
<i>North Carolina.</i>																																												
Beaufort.	Bogue Sound.	T.	.02	.13																																				2.60	2.60			
Belhaven.	Pungo.	.19	.38																																				3.40	3.40				
Brewers.	Pedee.	1.35	.84																																				4.11	4.11				
Caroleen.	Santee.	.10	.93	.97	.03																																	4.04	4.04					
Chalybeate Springs.	Cape Fear.	.10	.55	1.17	.01							.05																										3.71	3.71					
Chapel Hill.	do.	.80	1.01	1.03	T.							T.																										4.20	4.20					
Charlotte.	Santee.	.03	1.39	.11							.01																											2.53	2.53					
Chimney Rock.	do.	.02	1.33	.82																																			4.28	4.28				
Durham (near) .	Neuse.	.15	.55	.96																																			4.46	4.46				
Eagleton.	Chowan.	.07	.67	1.00																																			3.71	3.71				
Edenton.	Albemarle Sound.	T.	.40																																				3.40	3.40				
Enfield (near) .	Tar.	.12	.06	1.48																																			3.61	3.61				
Fayetteville .	Cape Fear.	T.	12	.45	.03							.12																										2.57	2.57					
Goldsboro .	Tar.	T.	.10	.70	.02							T.																										2.60	2.60					
Graham .	Cape Fear.	.17	.25	1.11	.03							.12																									3.61	3.61						
Greensboro .	do.	.10	.17	.22																																		2.94	2.94					
Hatteras.	Tar.	.10	.17	.74	.01							.05																									3.37	3.37						
Hatteras.	Pamilico Sound.	T.	.17																																			2.39	2.39					
Henderson.	Tar & Roanoke.	.18	.18	1.49	.04							.06																									4.84	4.84						
Kinston.	Neuse.	T.	.13	.39								.05																									2.65	2.65						
Lenoir.	Santee.	.18	.85	.90								.05																									3.66	3.66						
Lincolnton.	Pedee.	T.	.84	1.03	T.																																3.70	3.70						
Louisburg .	Pedee.	.12	.86	.90	.02							.04																									3.45	3.45						
Lumberton .	Tar.	T.	.15	.22								.03																									2.31	2.31						
Manteo.	Roanoke Sound.	.22	.22									.06																									2.58	2.58						
Marion.	Santee.	.02	1.01	1.91	.01							.01	.61																															

TABLE 2.—*Daily precipitation for December, 1910. District No. 2—Continued.*

TABLE 2.—*Daily precipitation for December, 1910. District No. 2—Continued.*

TABLE 2.—*Daily precipitation for December, 1910. District No. 3—Continued.*

TABLE 3.—*Maximum and minimum temperatures at selected stations, December, 1910. District No. 2, South Atlantic and east Gulf States.*

South Carolina.

Georgia.

Date.	Columbia.		Conway.		Ferguson.		Georgetown.		Greenville.		Newberry.		Society Hill.		Adairsville.		Albany.		Atlanta.		Augusta.		Dahlonega.		Macon.		Savannah.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
1.	42	27	43	26			45	29	49	23	43	24	41	24	35	25	40	28	33	24	41	29	33	22	38	28	40	29	
2.	42	24	44	24			44	27	41	21	47	18	41	24	39	22	39	24	37	22	41	25	36	21	42	26	44	25	
3.	43	20	47	22			46	25	46	19	43	18	40	22	43	19	55	23	42	23	46	27	41	18	46	23	53	23	
4.	54	34	55	31			56	32	50	20	52	33	49	40	55	22	65	30	47	35	50	34	44	32	51	32	58	32	
5.	64	44	65	38			66	45	49	32	60	43	60	45	64	40	73	53	65	41	67	45	47	39	67	50	66	51	
6.	60	35	55	52			65	42	46	31	43	38	47	30	48	28	42	42	41	27	60	33	47	26	50	32	61	37	
7.	48	28	50	32			50	23	50	25	46	26	46	27	38	27	47	28	38	26	45	29	40	23	54	29	57	31	
8.	56	28	57	25			58	31	62	25	54	26	49	30	48	22	46	26	50	26	57	27	50	23	57	28	59	38	
9.	53	31	56	27			57	32	57	26	55	26	50	30	52	24	59	28	52	37	57	32	50	25	57	28	62	40	
10.	59	32	52	29			60	33	50	27	59	29	54	40	49	24	60	34	49	41	59	31	45	27	52	31	62	37	
11.	58	40	60	30			60	42	61	27	58	37	55	35	50	31	62	34	49	35	58	42	48	36	56	42	63	45	
12.	51	34	50	28			50	35	58	27	53	30	43	22	45	34	53	44	45	30	54	38	43	31	53	36	57	40	
13.	42	25	43	24			48	25	53	23	42	33	40	18	40	20	50	33	44	23	43	26	42	17	51	21	54	26	
14.	52	21	54	18			50	21	60	17	52	18	45	29	46	16	59	28	50	27	52	21	48	17	57	21	60	37	
15.	57	33	62	24			58	33	64	20	55	31	57	32	50	16	60	39	48	35	57	31	47	30	55	28	63	37	
16.	49	30	51	28			61	35	57	25	50	25	45	23	48	30	63	39	50	30	53	35	51	31	52	32	54	40	
17.	50	28	55	28			53	32	55	25	49	25	46	35	46	21	60	39	47	31	54	30	43	27	55	30	57	38	
18.	47	37	56	40			55	41	57	24	44	36	46	41	46	25	55	49	46	33	49	42	44	36	48	44	56	42	
19.	53	43	57	46			54	42	51	29	52	36	53	35	49	35	59	46	48	37	51	42	45	34	54	41	58	46	
20.	46	30	72	33			53	39	45	29	52	36	45	23	40	34	51	35	40	23	45	32	40	27	46	31	51	34	
21.	38	22	41	24			46	26	44	26	39	21	37	12	37	19	46	25	36	19	41	25	36	19	42	25	44	27	
22.	43	24	50	18			42	23	45	27	43	17	39	28	45	18	54	36	42	27	44	20	39	18	48	25	57	27	
23.	55	33	63	26			62	32	48	28	46	28	57	30	42	21	46	32	43	35	60	36	39	31	57	41	63	34	
24.	54	36	55	50			60	24	51	29	50	38	49	27	44	28	55	38	41	27	55	36	41	30	51	34	56	40	
25.	46	27	48	28			49	30	55	30	46	23	43	24	50	21	57	26	48	23	49	27	46	24	49	31	51	34	
26.	55	28	56	25			56	29	53	29	53	24	50	36	47	26	64	29	55	34	56	28	49	24	58	28	61	35	
27.	63	42	63	34			63	39	67	35	63	40	57	47	56	39	70	36	60	47	64	39	56	42	65	42	74	35	
28.	67	46	68	38			66	39	65	35	66	39	62	47	64	40	73	42	63	45	68	39	57	40	67	43	69	49	
29.	71	51	71	40			70	46	68	45	70	45	68	55	65	48	71	45	66	50	72	51	60	47	72	50	71	54	
30.	63	38	64	55			64	46	45	45	64	45	68	30	44	37	44	57	53	55	36	66	41	58	37	59	39	65	44
31.	44	28	62	38			56	32	54	28	46	30	44	37	44	24	56	58	39	33	46	35	45	36	48	38	51	34	
Mns.	52.4	32.4	56.0	31.4			55.7	33.5	53.3	27.5	51.5	29.7	49.4	32.1	48.1	27.1	57.3	35.3	47.4	31.8	53.5	33.2	45.2	28.5	52.6	33.1	56.0	36.8	



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MONTHLY WEATHER REVIEW.

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TABLE 3.—*Maximum and minimum temperatures at selected stations, December, 1910.* District No. 2—Continued.

Alabama.